



W962 EPR High Voltage Tape

INSULATING AND JACKETING TAPE FOR USE THRU 138KV

- Self-amalgamating
- Outstanding corona and ozone resistance
- Superior electrical properties
- UV Resistant
- Excellent moisture, corrosion and chemical resistance
- Resistant to cable impregnants

RECOMMENDED USES: For insulating and jacketing of splices on power cable from 600 volts through 138,000 volts and for building stress cones and jacketing of terminations on power cable from 600 volts through 35,000 volts. A major component in transition joint construction.

STANDARD SIZES:

- 3/4 in. x 30 ft., 19mm x 9.1m
- 1 in. x 30 ft., 25mm x 9.1mm
- 1 1/2in. x 30 ft., 38mm x 9.1mm
- 2 in. x 30 ft., 51mm x 9.1m

DESCRIPTION: W962 is an ethylene propylene rubber based high voltage tape possessing superior electrical, chemical, mechanical and thermal properties. W962 is a self-amalgamating tape that fuses quickly yielding a void-free, electrically stable build-up. W962 is a high performance tape that has outstanding corona and ozone resistance, low dielectric constant and high dielectric strength. W962 is compatible with all extruded dielectric cable insulations.

W962 2/95

LIMITED WARRANTY: Plymouth warrants that its Product will substantially conform to that products written specifications exclusively contained in its Plymouth product data sheet for a period of one (1) year from the date of shipment, (Unless provided otherwise in product's data sheet). Plymouth makes no warranty to the distributor, its customers, or the product's end user for the products merchantability and/or suitability for his/its intended use or purpose, and buyer shall assume all risks associated therewith. Provided that the product is proved to be defective within the terms described above, and provided buyer shall have first complied with all return policies of Plymouth, PLYMOUTH'S SOLE OBLIGATION AND BUYER'S EXCLUSIVE REMEDY UNDER THIS PRODUCT WARRANTY SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT AS IS PROVED TO BE DEFECTIVE WITHIN THE TIME PERIOD SPECIFIED ABOVE. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PLYMOUTH MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. In no event shall Plymouth be liable for collateral, consequential, indirect or incidental damages arising out of, or connected in any way with the supply of products.

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SPECIFICATIONS:

PROPERTY	VALUE	UNIT	TEST METHOD
PHYSICAL			
Color	Black	-	-
Thickness	0.020	inch	ASTM-D-4325
	0.508	mm	
Tensile Strength	450	psi	ASTM-D-4325
Elongation	920	%	ASTM-D-4325
Fusion Heat Resistance	5/64 max.	inch	ASTM-D-4325
Operating Temperature Continuous	130	°C	ASTM-D-4325
Emergency Overload	90	°C	ASTM-D-4388
	130	°C	ASTM-D-4388
CHEMICAL			
Water Absorption	0.02	%	ASTM-D-570
Ozone Resistance	Pass	Visual	ASTM-D-4325
UV Resistance	Pass	Visual	ASTM-D-4325
ELECTRICAL			
Dielectric Strength	950	V/mil	ASTM-D-4325
Dielectric Constant	24h @ 23°C	2.6	-
	168h @ 70°C	2.6	-
Dissipation Factor	24h @ 23°C	0.001	-
	168h @ 70°C	0.005	-
Volume Resistivity	96h @ 23°C		
	50% RH	10 ¹⁶	ohm-cm
	96h @ 23°C		
	96% RH	10 ¹⁵	ohm-cm
U-Bend	>1000	hours	IPCEA S-19-81

Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use.